

University of Nebraska Medical Center  
NUCLEAR MEDICINE TECHNOLOGY PROGRAM

**Technical Standards**

The following skills are needed by applicants to the Nuclear Medicine Technology Program. Applicants and students should possess these abilities, or with the help of compensatory techniques and/or assistive devices, be able to demonstrate the ability to become proficient.

**Manual dexterity:** Use of extremities for patient care purposes

wrists (both)	grasping	pulling	twisting
hands (both)	fingering	holding	(rotation)
arms (both)	pushing	extending	cutting

Examples:

1. Work in a clinical setting eight to ten hours a day, frequently performing physical tasks, requiring physical energy without jeopardizing patient, self, or colleague safety.
2. Manually position patients that are lying on a table that may be 4 feet above the floor.
3. Be able to focus and concentrate for long periods of time, in a busy environment.
4. Make fine adjustments to equipment using a hand control with small buttons and thumbwheel controls.

**Sensation:** palpation auscultation percussion auditory capable of hearing voices/sounds of normal range in the presence of background noise

1. Audio monitoring of patients during procedures and perceiving and interpreting subtle equipment signals.

**Visual/Auditory**

**Perception:** depth acuity (corrected to 20/40)  
ability to distinguish shades of gray/color

1. Report visual observations of patients and equipment operation as well as to read the patient's records and medical information
2. Vision must be adequate to align laser lights and crosshairs on patients in a dimmed light environment
3. Ability to view computer screens for extended periods
4. Visually monitor patients in dimmed light and via video monitors during procedure

**Physical strength:** to support another person  
to position another person  
to transfer/ambulate with walker, cane, crutches, bed, wheelchair  
to stand for long periods of time  
to perform CPR; resuscitation  
to walk at a rapid pace for eight hours  
to lift 10-15 pounds

1. Frequent reaching, lifting, and the use of manual dexterity in the manipulation and operation of equipment
2. Push standard wheelchair from waiting area to treatment room.
3. Assist patients with mobility difficulties on and off the table

4. Moving immobile patients from stretcher to table with assistance from departmental personnel
5. Ability to operate and maintain equipment (eg., nuclear medicine instrumentation, ventilator, electronic monitor, etc.)

**Interpersonal/Cognitive skills:**      able to function (consult, negotiate, share) as part of a team  
   able to use oral communication skills  
   able to respond to others' requests  
   willing to accept direction and supervision

1. Ability to communicate information and instructions in clear and concise manner to patients and medical personnel.
2. Read and apply appropriate instructions located in treatment charts, computer monitors, notes and medical records.
3. Understand and apply clinical instructions given by departmental personnel
4. Write clear and legible instructions and daily treatment data in the patient's chart
5. To have sufficient problem-solving skills to include measuring, calculating, reasoning, analyzing, evaluating and synthesizing with the ability to perform these skills in a timely fashion
6. Utilize keyboard for inputting clinical data into computers for processing information
  - a. Ability to perform basic computer functions

**Perform duties while under stress**

Students requesting disability accommodations must do so by filing a disability accommodation request with UNMC Student Services.